

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended): A multilayer structure ~~based on polyamides and graft copolymers having polyamide blocks, said structure~~ comprising, in this order:

a) a first layer (1) comprising a polyamide (A) or ~~else~~ a polyamide (A)/polyolefin (B) blend having a polyamide matrix;

b) optionally, a tie layer (2a);

c) a polymeric layer (2) ~~wherein the polymer consists of comprising~~ a graft copolymer ~~having polyamide blocks~~, said graft copolymer comprising a polyolefin backbone ~~functionalized by an unsaturated monomer (X) and at least one polyamide graft wherein: [[,]]~~

- ~~the grafts are attached to the polyolefin backbone by the residues of an said graft copolymer being obtained by reaction between a polyamide having an amine end group and the residue of the unsaturated monomer (X) having a functional group capable of reacting with a polyamide having an said amine end group; of the polyamide;~~
- the residues of said unsaturated monomer (X) being attached to the backbone by grafting or copolymerization via its double bond;

the layers (1), (2a) and (2) being successive and adhering to one another in their respective contact region.

2. (Previously Presented): A structure according to Claim 1, further comprising a polyamide or a polyolefin layer (3), superposed on layer (2), and optionally further comprising a tie layer (3a) placed between layer (2) and layer (3).

3. (Previously Presented): A ~~structure~~ according to claim 1, wherein said polyolefin backbone comprises an ethylene/alkyl(meth)acrylate copolymer.

4. (Previously Presented): A structure according to claim 1, in which X is an unsaturated carboxylic acid anhydride.

5. (Currently Amended): A structure according to claim 1, wherein said polyolefin backbone containing contains X, and X is chosen from ethylene/maleic anhydride copolymers and ethylene/alkyl(meth)acrylate/maleic anhydride copolymers.

6. (Previously Presented): A structure according to claim 1, wherein said structure is in the form of a tank, container, bottle, multilayer film, or tube.

7. (Currently Amended): A structure according to Claim 6, ~~wherein in which the layer (2) of graft copolymers having polyamide blocks or the layer (2)~~ forms the inner layer intended to be in contact with the stored or transported fluid.

8. (Currently Amended): A structure according to Claim 1, wherein said structure is in the form of a tube for use in a cooling circuit for ~~an an~~ internal combustion engine in which the layer (2) ~~of graft copolymers having polyamide blocks or the layer (3)~~ forms the inner layer of said tube, said inner layer intended to be in contact with the transported fluid.

9. (Currently Amended): A polymeric material in the shape of a tank, container, bottle, film or tube, wherein the polymer of said material ~~consists of~~ comprises a graft copolymer having polyamide blocks, consisting of a polyolefin backbone, residues of an unsaturated monomer (X), and at least one polyamide graft, said graft copolymer comprising a polyolefin backbone ~~functionalized by an unsaturated monomer (X)~~ and at least one polyamide graft, the grafts being attached to the polyolefin backbone by the residues of an unsaturated monomer (X) having a functional group capable of reacting with a polyamide having an amine end group, the residues of said unsaturated monomer (X) being attached to the backbone by grafting or copolymerization via its double bond, said graft copolymer being

ATOCM-0349

obtained by reaction between a polyamide having an amine end group and the residue of the unsaturated monomer (X) having a functional group capable of reacting with said amine end group of the polyamide; ~~said unsaturated monomer (X) being attached by grafting or copolymerization via its double bond.~~

10. (Previously Presented): A multilayer structure according to Claim 1, comprising said tie layer (2a).

11. (Previously Presented): A structure according to claim 2, comprising said tie layer (3a).

12. (Previously Presented): A structure according to claim 10, further comprising a polyamide or a polyolefin layer (3) superposed on layer (2) and a tie layer (3a) placed between layer (2) and layer (3).

13. (Previously Presented): A structure according to claim 1, wherein said polyolefin backbone is a polyolefin homopolymer or copolymer.

14. (Previously Presented): A structure according to claim 1, wherein X is an unsaturated epoxide, an unsaturated carboxylic acid anhydride, an aliphatic glycidyl ester, an aliphatic glycidyl ether, an alicyclic glycidyl ester or an alicyclic glycidyl ether.

15. (Previously Presented): A structure according to claim 1, wherein the first layer (1) is formed from a polyamide (A)/polyolefin (B) blend having a polyamide matrix.

16. (Previously Presented): A structure according to claim 1, wherein said first layer is formed from PA-6/12, PA-6/6,6, PA-6, PA-6,6, PA-11 or PA-12.

17. (Previously Presented): A structure according to claim 10, wherein said tie layer comprises a functionalized polyolefin or a copolyamide.

18. (Previously Presented): A structure according to claim 11, wherein said tie layer between layer (2) and layer (3) comprises a functionalized polyolefin or a copolyamide.

19. (Withdrawn): A method comprising fabricating a tank, container, bottle, multilayer film, or tube, said method comprising shaping a multilayer structure according to claim 2 such that layer (3) forms the inner layer.

20. (Withdrawn): A method of fabricating a tube for use in a cooling circuit of an internal combustion engine, said method comprising shaping a multilayer structure according to claim 2 such that layer (2) comprises graft copolymers having amide blocks, and either said layer (2) or layer (3) forms the inner layer of the tube.

21. (Currently Amended): A structure according to claim 1, wherein said first layer (1) comprises a blend of a polyamide (A) and at least one copolymer having polyamide blocks and polyether blocks.

22. (Previously Presented): A structure according to claim 15, wherein the proportion of polyamide in the polyamide (A)/polyolefin (B) blend is between 40 and 75% by weight.

23. (Cancelled):

24. (New): A structure according to claim 2, wherein said structure is in the form of a tank, container, bottle, multilayer film, or tube.

25. (New): A structure according to claim 24, wherein layer (3) forms the inner layer of said structure, said inner layer intended to be in contact with the stored or transported fluid.

26. (New): A structure according to claim 2, wherein said structure is in the form of a tube for use in a cooling circuit for an internal combustion engine, and wherein layer (3) forms the inner layer of said tube, said inner layer intended to be in contact with the stored or transported fluid.

ATOCM-0349

27. (New): A structure according to claim 1, wherein the tie layer (2a) is selected from functionalized polyolefins and copolyamides.

28. (New): A structure according to claim 1, wherein the proportion of the polyolefin backbone containing X to the proportion of the polyamide having an amine end group is 80/20 to 90/10.